



PCT10

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/088,143

DATE: 08/29/2002

TIME: 14:03:31

Input Set : A:\271_294.ST25.txt

Output Set: N:\CRF3\08292002\J088143.raw

3 <110> APPLICANT: PESTKA, Sidney
 4 KOTENKO, Sergei
 6 <120> TITLE OF INVENTION: Cytomegalovirus-Encoded IL-10 Homolog
 8 <130> FILE REFERENCE: 271/294
 10 <140> CURRENT APPLICATION NUMBER: 10/088,143
 11 <141> CURRENT FILING DATE: 2002-02-22
 13 <150> PRIOR APPLICATION NUMBER: PCT/US00/24213
 14 <151> PRIOR FILING DATE: 1999-09-02
 16 <150> PRIOR APPLICATION NUMBER: 60/152,062
 17 <151> PRIOR FILING DATE: 1999-09-02
 19 <160> NUMBER OF SEQ ID NOS: 21
 21 <170> SOFTWARE: PatentIn version 3.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 789
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Cytomegalovirus
 28 <400> SEQUENCE: 1
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 31 tctctgtcc tgatcgctt tttcttaggc gttccgagg aggcaagcc ggacgacgacg 120
 33 acgataaaga atacaagcc gcagtgtcgt ccagaggatt acgcgaccag attgcaagat 180
 35 ctccgcgtca ctttcatcg agtaaaacct acgttggtag gtcacgtagg tacggtttat 240
 37 tgcacggtc ttctttcc gcgtgtcggg tgacgtagtt ttcccttgc agcaacgtga 300
 39 ggacgactac tccgtgtggc tcgacggta ggtggtaaaa ggctgttggg gatgcagcgt 360
 41 catggactgg ttgttggagc ggtatctgga gatcggttt cccgcaggcg accacgtcta 420
 43 tccggactc aagacgaaat tgcatagttat ggcgtcgacg cttagaatcca tctacaaaga 480
 45 catgcccaca tggtaagtgc tctctgtggc ggcgtgtcc gcacagaggt aacaacgtgt 540
 47 tcatagcactc tggtttact ttgttgggg tcccagccctc tgtaggttg cggagataag 600
 49 tccgtgatta gtcggctgtc tcaggaggcg gaaaggaaat cggataacgg cacgcggaaa 660
 51 ggctctcagcg agtggacac gttgttagc cgtctcgaag agtatctgca ctcgagaaag 720
 53 tagcgttgcg atttgcagtc cgctccggc tcgttcaccc agttacttta ataaacgtac 780
 55 tgtttaacc 789
 58 <210> SEQ ID NO: 2
 59 <211> LENGTH: 175
 60 <212> TYPE: PRT
 61 <213> ORGANISM: Cytomegalovirus
 63 <400> SEQUENCE: 2
 65 Met Leu Ser Val Met Val Ser Ser Ser Leu Val Ile Val Phe Phe
 66 1 5 10 15
 69 Leu Gly Ala Ser Glu Glu Ala Lys Pro Ala Thr Thr Thr Ile Lys Asn
 70 20 25 30
 73 Thr Lys Pro Gln Cys Arg Pro Glu Asp Tyr Ala Thr Arg Leu Gln Asp
 74 35 40 45
 77 Leu Arg Val Thr Phe His Arg Val Lys Pro Thr Leu Gln Arg Glu Asp

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78	50	55	60													
81	Asp	Tyr	Ser	Val	Trp	Leu	Asp	Gly	Thr	Val	Val	Lys	Gly	Cys	Trp	Gly
82	65					70				75						80
85	Cys	Ser	Val	Met	Asp	Trp	Leu	Leu	Arg	Arg	Tyr	Leu	Glu	Ile	Val	Phe
86							85			90						95
89	Pro	Ala	Gly	Asp	His	Val	Tyr	Pro	Gly	Leu	Lys	Thr	Glu	Leu	His	Ser
90						100				105						110
93	Met	Arg	Ser	Thr	Leu	Glu	Ser	Ile	Tyr	Lys	Asp	Met	Arg	Gln	Cys	Pro
94							115			120						125
97	Leu	Leu	Gly	Cys	Gly	Asp	Lys	Ser	Val	Ile	Ser	Arg	Leu	Ser	Gln	Glu
98							130			135						140
101	Ala	Glu	Arg	Lys	Ser	Asp	Asn	Gly	Thr	Arg	Lys	Gly	Leu	Ser	Glu	Leu
102	145						150				155					160
105	Asp	Thr	Leu	Phe	Ser	Arg	Leu	Glu	Glu	Tyr	Leu	His	Ser	Arg	Lys	
106							165			170						175
109	<210>	SEQ ID NO:	3													
110	<211>	LENGTH:	25													
111	<212>	TYPE:	DNA													
112	<213>	ORGANISM:	Artificial sequence													
114	<220>	FEATURE:														
115	<223>	OTHER INFORMATION:	synthetic sequence													
117	<400>	SEQUENCE:	3													
118	tcctacagaa	actattctaa	ccgcg													25
121	<210>	SEQ ID NO:	4													
122	<211>	LENGTH:	25													
123	<212>	TYPE:	DNA													
124	<213>	ORGANISM:	Artificial sequence													
126	<220>	FEATURE:														
127	<223>	OTHER INFORMATION:	synthetic sequence													
129	<400>	SEQUENCE:	4													
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133	<210>	SEQ ID NO:	5													
134	<211>	LENGTH:	25													
135	<212>	TYPE:	DNA													
136	<213>	ORGANISM:	Artificial sequence													
138	<220>	FEATURE:														
139	<223>	OTHER INFORMATION:	synthetic sequence													
141	<400>	SEQUENCE:	5													
142	catcataaca	taaaggacca	cctac													25
145	<210>	SEQ ID NO:	6													
146	<211>	LENGTH:	25													
147	<212>	TYPE:	DNA													
148	<213>	ORGANISM:	Artificial sequence													
150	<220>	FEATURE:														
151	<223>	OTHER INFORMATION:	synthetic sequence													
153	<400>	SEQUENCE:	6													
154	cgacgcaaac	tggtaaaca	gtacg													25
157	<210>	SEQ ID NO:	7													
158	<211>	LENGTH:	25													

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Input Set : A:\271_294.ST25.txt
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159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: synthetic sequence
165 <400> SEQUENCE: 7
166 gggacggcat gctgcggcga tgctg 25
169 <210> SEQ ID NO: 8
170 <211> LENGTH: 25
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: synthetic sequence
177 <400> SEQUENCE: 8
178 agtaactggg tgaacgacac cggag 25
181 <210> SEQ ID NO: 9
182 <211> LENGTH: 25
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: synthetic sequence
189 <400> SEQUENCE: 9
190 aggcgcttcc gaggaggcga agccg 25
193 <210> SEQ ID NO: 10
194 <211> LENGTH: 25
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: synthetic sequence
201 <400> SEQUENCE: 10
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205 <210> SEQ ID NO: 11
206 <211> LENGTH: 24
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: synthetic sequence
213 <400> SEQUENCE: 11
214 taggatcctt ccgaggaggc gaag 24
217 <210> SEQ ID NO: 12
218 <211> LENGTH: 20
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: synthetic sequence
225 <400> SEQUENCE: 12
226 atgaattcggttgttacctct 20
229 <210> SEQ ID NO: 13
230 <211> LENGTH: 22
231 <212> TYPE: DNA

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Input Set : A:\271_294.ST25.txt
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232 <213> ORGANISM: Artificial sequence
 234 <220> FEATURE:
 235 <223> OTHER INFORMATION: synthetic sequence
 237 <400> SEQUENCE: 13
 238 agcggaaattc aaatcgcaac gc 22
 241 <210> SEQ ID NO: 14
 242 <211> LENGTH: 27
 243 <212> TYPE: DNA
 244 <213> ORGANISM: Artificial sequence
 246 <220> FEATURE:
 247 <223> OTHER INFORMATION: synthetic sequence
 249 <400> SEQUENCE: 14
 250 cgggatccca gcccaggca gggcacc 27
 253 <210> SEQ ID NO: 15
 254 <211> LENGTH: 26
 255 <212> TYPE: DNA
 256 <213> ORGANISM: Artificial sequence
 258 <220> FEATURE:
 259 <223> OTHER INFORMATION: synthetic sequence
 261 <400> SEQUENCE: 15
 262 gctctagatc agtttcgtat cttcat 26
 265 <210> SEQ ID NO: 16
 266 <211> LENGTH: 21
 267 <212> TYPE: DNA
 268 <213> ORGANISM: Artificial sequence
 270 <220> FEATURE:
 271 <223> OTHER INFORMATION: synthetic sequence
 273 <400> SEQUENCE: 16
 274 cgggatcctg cggcgatgct g 21
 277 <210> SEQ ID NO: 17
 278 <211> LENGTH: 22
 279 <212> TYPE: DNA
 280 <213> ORGANISM: Artificial sequence
 282 <220> FEATURE:
 283 <223> OTHER INFORMATION: synthetic sequence
 285 <400> SEQUENCE: 17
 286 agcggaaattc aaatcgcaac gc 22
 289 <210> SEQ ID NO: 18
 290 <211> LENGTH: 78
 291 <212> TYPE: PRT
 292 <213> ORGANISM: Cytomegalovirus
 294 <400> SEQUENCE: 18
 296 Met Leu Ser Val Met Val Ser Ser Ser Leu Val Leu Ile Val Phe Phe
 297 1 5 10 15
 300 Leu Gly Ala Ser Glu Glu Ala Lys Pro Ala Thr Thr Thr Ile Lys Asn
 301 20 25 30
 304 Thr Lys Pro Gln Cys Arg Pro Glu Asp Tyr Ala Thr Arg Leu Gln Asp
 305 35 40 45
 308 Leu Arg Val Thr Phe His Arg Val Lys Pro Thr Leu Val Gly His Val

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309 50 55 60
312 Gly Thr Val Tyr Cys Asp Gly Leu Ser Phe Pro Arg Val Gly
313 65 70 75
316 <210> SEQ ID NO: 19
317 <211> LENGTH: 178
318 <212> TYPE: PRT
319 <213> ORGANISM: Homo sapiens
321 <400> SEQUENCE: 19
323 Met His Ser Ser Ala Leu Leu Cys Cys Leu Val Leu Leu Thr Gly Val
324 1 5 10 15
327 Arg Ala Ser Pro Gly Gln Gly Thr Gln Ser Glu Asn Ser Cys Thr His
328 20 25 30
331 Phe Pro Gly Asn Leu Pro Asn Met Leu Arg Asp Leu Arg Asp Ala Phe
332 35 40 45
335 Ser Arg Val Lys Thr Phe Phe Gln Met Lys Asp Gln Leu Asp Asn Leu
336 50 55 60
339 Leu Leu Lys Glu Ser Leu Leu Glu Asp Phe Lys Gly Tyr Leu Gly Cys
340 65 70 75 80
343 Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr Leu Glu Glu Val Met Pro
344 85 90 95
347 Gln Ala Glu Asn Gln Asp Pro Asp Ile Lys Ala His Val Asn Ser Leu
348 100 105 110
351 Gly Glu Asn Leu Lys Thr Leu Arg Leu Arg Leu Arg Arg Cys His Arg
352 115 120 125
355 Phe Leu Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val Lys Asn
356 130 135 140
359 Ala Phe Asn Lys Leu Gln Glu Lys Gly Ile Tyr Lys Ala Met Ser Glu
360 145 150 155 160
363 Phe Asp Ile Phe Ile Asn Tyr Ile Glu Ala Tyr Met Thr Met Lys Ile
364 165 170 175
367 Arg Asn
371 <210> SEQ ID NO: 20
372 <211> LENGTH: 160
373 <212> TYPE: PRT
374 <213> ORGANISM: Epstein-Barr virus
376 <400> SEQUENCE: 20
378 Met Glu Arg Arg Leu Val Val Thr Leu Gln Cys Leu Val Leu Leu Tyr
379 1 5 10 15
382 Leu Ala Pro Glu Cys Gly Gly Thr Asp Gln Cys Asp Asn Phe Pro Gln
383 20 25 30
386 Met Leu Arg Asp Leu Arg Asp Ala Phe Ser Arg Val Lys Thr Phe Phe
387 35 40 45
390 Gln Thr Lys Asp Glu Val Asp Asn Leu Leu Leu Lys Glu Ser Leu Leu
391 50 55 60
394 Glu Asp Phe Lys Gly Tyr Leu Gly Cys Gln Ala Leu Ser Glu Met Ile
395 65 70 75 80
398 Gln Phe Tyr Leu Glu Glu Val Met Pro Gln Ala Glu Asn Gln Asp Pro
399 85 90 95
402 Glu Ala Lys Asp His Val Asn Ser Leu Gly Glu Asn Leu Lys Thr Leu

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